

FIG. 1

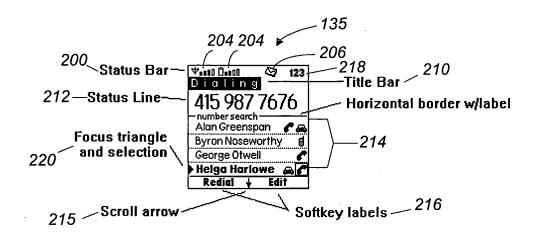


FIG. 2

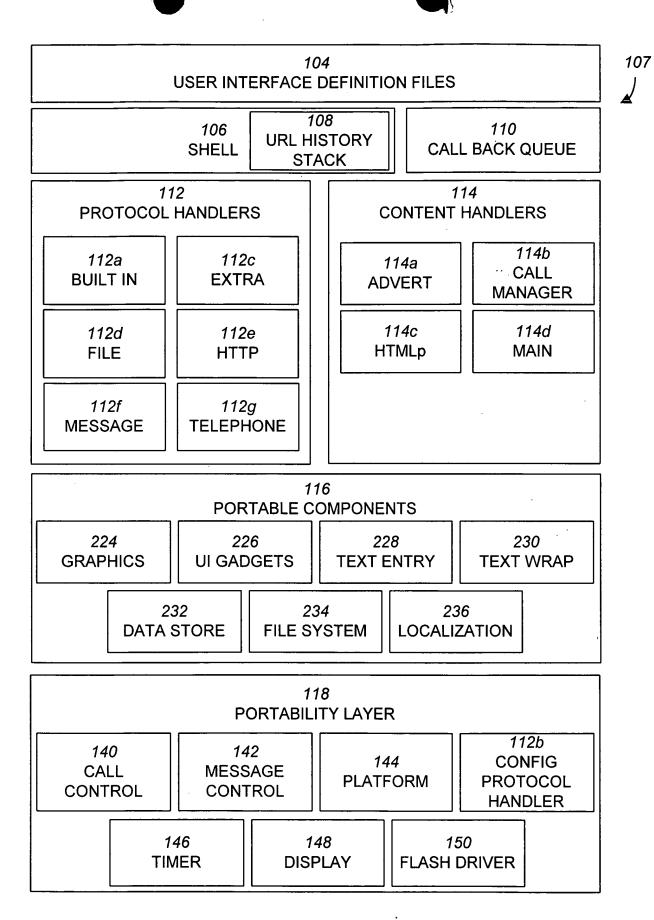


FIG. 3

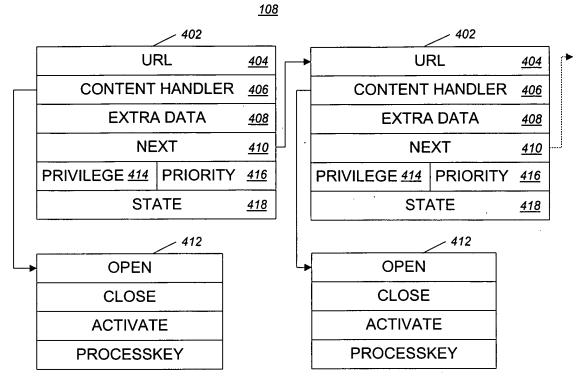
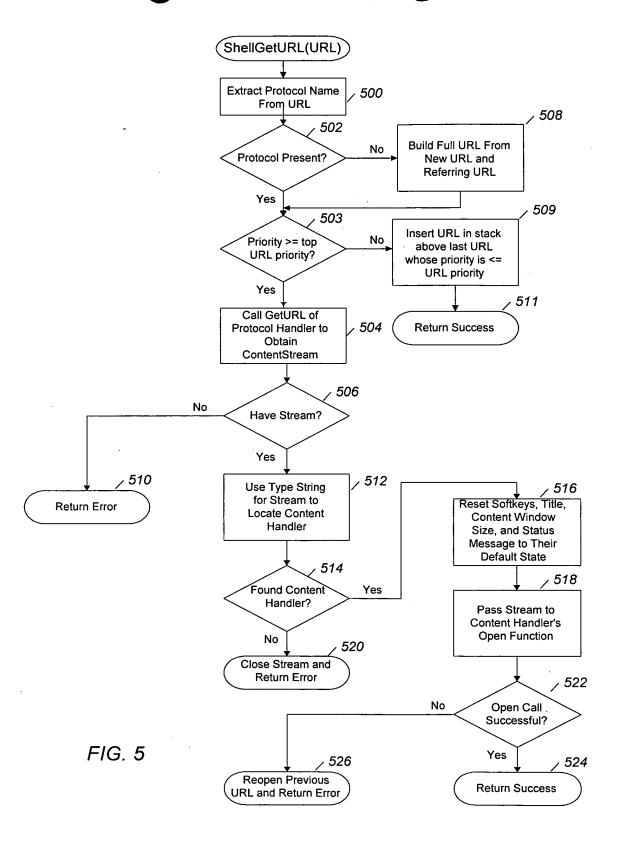
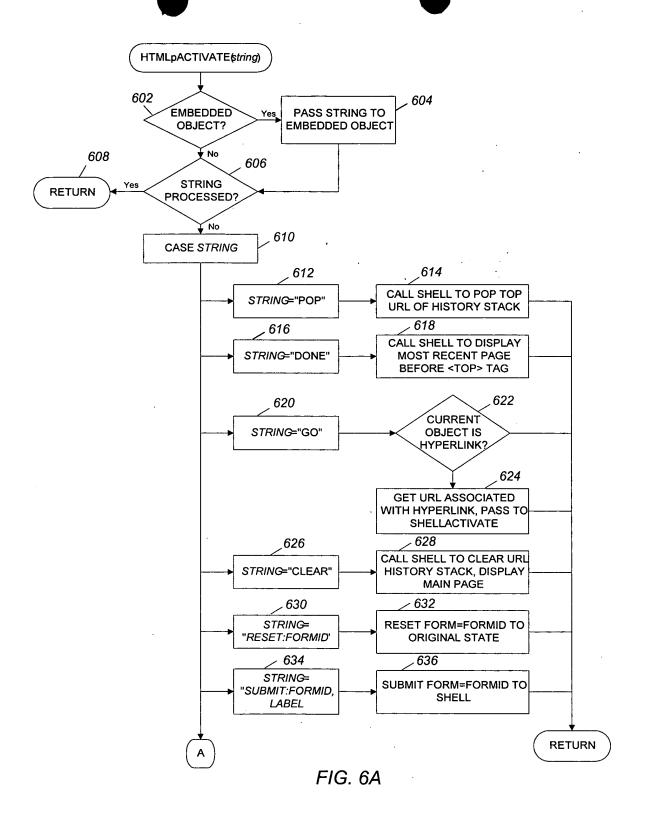


FIG. 4





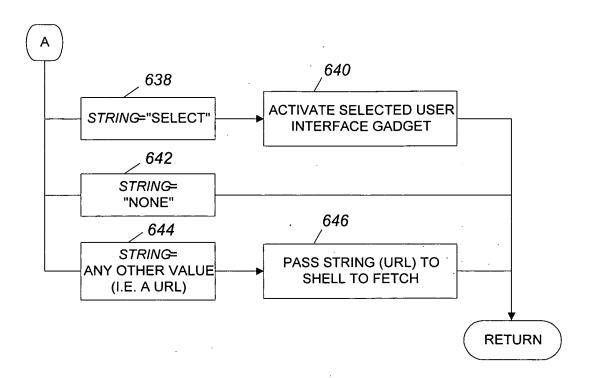


FIG. 6B

HTMLp	Result
<pre><html> <head> <key action="file://phonbook.html" key="2" label="PhoneBook"> <key action="MENU" key="1" label="Menu"> <keymenu action="file://msgs.html" key="1" label="Messages"> <keymenu action="file://recent.html" key="1" label="Recent Calls"> <keymenu action="file://phonsett.html" key="1" label="Phone Settings"> <keymenu action="file://phonsett.html" key="1" label="Phone Settings"> <key action="file://recent.html" key="up"> <key action="file://recent.html" key="up"> <key action="file://phonbook.html" key="down"> <head> <body> <center> c e l l u l a r s e r v i c e s</center> </body> </head></key></key></key></keymenu></keymenu></keymenu></keymenu></key></key></head></html></pre>	irtel Messages Recent Calls Phone Settings Select Phone Book

FIG. 7

· HTMLp	Result
<html></html>	Resurt
<head></head>	
<top></top>	サーロ fost Phone Book
<title>Phone Book</title>	
<key action="new" key="1" label="New"></key>	(262) 333 5214 Daily Horoscope
<key action="delete" key="clear"></key>	George Smithers
<pre><help>Press any number key to search for an</help></pre>	design similars [R]
entry	
<pre><help>Press Send to call someone</help></pre>	New Edit
<body></body>	HEW EUII
<pre></pre> <pre></pre> <pre></pre> <pre></pre>	サーロロローロー fast Press any number key to
	(262) 333 5214
, , , , , , , , , , , , , , , , , , , ,	Daily Horoscope D
	George Smithers 🙀 🛍
	-4
	New Edit
	中。□□□ □ □□□■ fast to search for an entry
	(262) 333 5214
	Daily Horoscope D
	George Smithers
	New Edit
	HEW Eall
	学。170 <u>年</u> 370 fost Phone Book
	(262) 333 5214
	Daily Horoscope 🗋
	George Smithers
	New Edit
	サ。2000 🗓 ==80 fust Press Send to
	(262) 333 5214
	Daily Horoscope
	George Smithers 🙀 🛍
	New Edit

FIG. 8

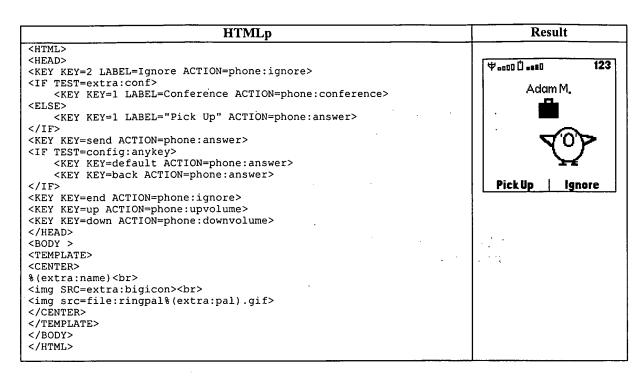


FIG. 9

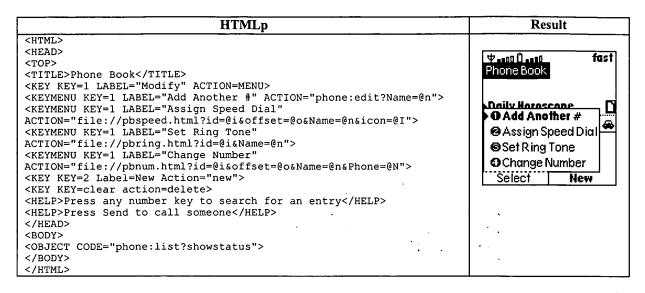


FIG. 10

HTMLp	Result
<pre>HTMLp <html> <head> <top> <key action="new" key="1" label="New"> <key action="delete" key="clear"> </key></key></top></head> <body background="file://logo.gif"> </body></html></pre>	#
<pre></pre>	Gjmd New Edit

FIG. 11

HTMLp	Result	
<pre>HTMLp <html> <head> <title>Set Backlight</title> </head> <body> <template> <form action="config:set" method="POST"> Backlight should be: <input checked="config:backlight=0" name="backlight" type="radio" value="0"/>On when in use <input checked="config:backlight=1" name="backlight" type="radio" value="1"/>On when in use or charging <input checked="config:backlight=2" name"backlight"="" type="radio" value="2"/>Off <input checked="config:backlight=2" name"backlight"="" type="radio" value="2"/>Off Delay: <input name="backlight delay" type="text" value="% (config:backlight delay)"/> <input name="ok" type="submit" value="OK"/> </form> </template></body></html></pre>	Result Pacific Facility 123 Set Backlight 3acklight should be: 0 On when in use or charging 0 Off Delay: 15 0K	

FIG. 12

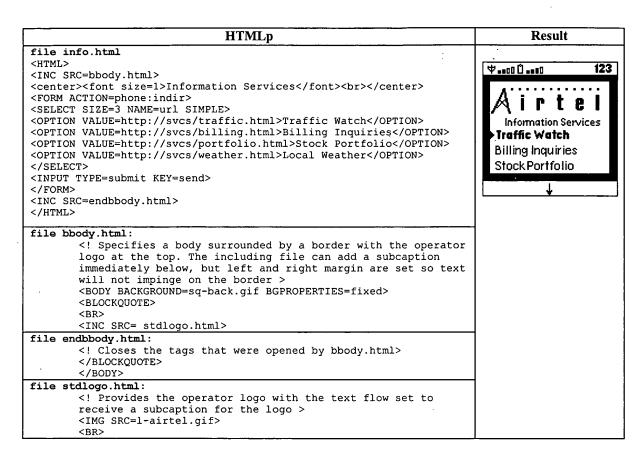


FIG. 13

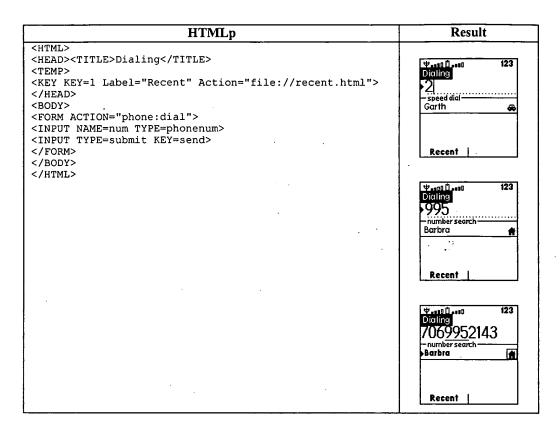


FIG. 14

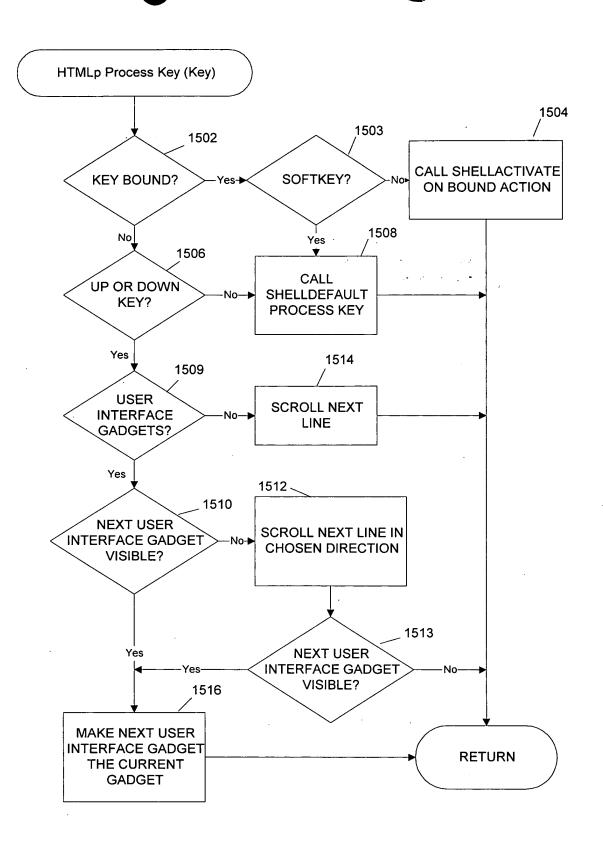


FIG. 15

HTML	Result
<pre><html></html></pre>	Name: Address: City: Credit Card: O VISA O MasterCard O American Express Number: Buy

FIG. 16 PRIOR ART

CLIENT SERVER

<HTML>
<HEAD>
<TITLE>Purchase Skis</TITLE>

<TITLE>Purchase Skis</TITLE>
<TOP>
</HEAD>
<BODY>
Please enter your name:
<FORM METHOD=GET ACTION="http://skishop/cgi-bin/addr ">
<INPUT TYPE=TEXT NAME=name SIZE=25>

<INPUT KEY=send TYPE=submit>
</FORM>
</BODY>
</HTML>

GET http://skishop/cgi-bin/addr?name=George+Will

Insert "name" into the HTML template maintained on the server, upload to client.

<HTML> <HEAD> <TITLE>Purchase Skis</TITLE> </HEAD> <BODY> Now we need your address: <FORM METHOD=GET ACTION="http://skishop/cgi-bin/credit"> <INPUT TYPE=hidden NAME=name VALUE="George Will"> Street: <INPUT TYPE=TEXT NAME=street size=9>
 City: <INPUT TYPE=TEXT NAME=city size=10>
 State: <INPUT TYPE=TEXT NAME=state MAXLENGTH=2 SIZE=2>
 Zip: <INPUT TYPE=TEXT NAME=zip SIZE=5> <INPUT KEY=send TYPE=submit> </FORM> </BODY> </HTML> GET http://skishop/cgibin/credit?name=George+Will&street=2+Anywhere&cit y=Madison&state=WI&zip=53705

> Insert address parameters into the template maintained on the server, and upload to client.

FIG. 17a PRIOR ART **CLIENT** SERVER

```
<HTML>
<HEAD>
<TITLE>Purchase Skis</TITLE>
</HEAD>
<BODY>
Finally, your credit card info:
<FORM METHOD=GET ACTION="http://skishop/cgi-bin/confirm">
<INPUT TYPE=hidden NAME=name VALUE="George Will">
<INPUT TYPE=hidden NAME=street VALUE="2 Anywhere">
<INPUT TYPE=hidden NAME=city VALUE="Madison">
<INPUT TYPE=hidden NAME=state VALUE="WI">
<INPUT TYPE=hidden NAME=zip VALUE="53705">
Credit Card:<br>
<INPUT TYPE=RADIO NAME=cardtype VALUE=visa>VISA
<INPUT TYPE=RADIO NAME=cardtype VALUE=mc>MasterCard
<INPUT TYPE=RADIO NAME=cardtype VALUE=amex>American
Express<br>
Number: <INPUT TYPE=TEXT NAME=cnumber >
<INPUT KEY=send TYPE=submit name=buy value="Review">
</FORM>
</BODY>
</HTML>
GET http://skishop/cgi-
bin/credit?name=George+Will&street=2+Anywhere&cit
y=Madison&state=WI&zip=53705&cardtype=visa&cnumbe
r=7732222156661000
                                                               Insert credit card parameters
                                                               into template maintained on
                                                               the server, and upload to
                                                               client.
<HTML>
<HEAD>
<TITLE>Confirm Order</TITLE>
</HEAD>
<BODY>
<DL>
<DT>Name:</DT><DD><b>George Will</b></DD>
<DT>Address:</DT><DD><b>2 Anywhere, Madison, WI,
53705</b></DD>
<DT>Credit Card:<b>VISA<bre>
7732222156661000</b></DD>
<FORM METHOD=POST ACTION="http://skishop/cgi-bin/purchase">
<INPUT TYPE=hidden NAME=name VALUE="George Will">
<INPUT TYPE=hidden NAME=street VALUE="2 Anywhere">
<INPUT TYPE=hidden NAME=city VALUE="Madison">
<INPUT TYPE=hidden NAME=state VALUE="WI">
<INPUT TYPE=hidden NAME=zip VALUE="53705">
<INPUT TYPE=hidden NAME=cardtype VALUE="visa">
<INPUT TYPE=hidden NAME=cnumber VALUE="7732222156661000">
<INPUT KEY=1 TYPE=submit name=buy value="Buy!">
</FORM>
</BODY>
</HTML>
POST http://skishop/cgi-
bin/purchase?name=George+Will&street=2+Anywhere&c
ity=Madison&state=WI&zip=53705&cardtype=visa&cnum
ber=7732222156661000
                                                               Process transaction with all
```

parameters.

FIG. 17b PRIOR ART

HTMLp	Result
file: purchaseform.html	
<html></html>	₩nn Nen obc
<head></head>	T 0000 C
<title>Purchase Skis</title>	Purchase Skis
<top></top>	Please enter your name:
<key action="done" key="2" label="Never Mind"></key>	▶George Will
<body></body>	11
Please enter your name:	
<form action="file://addr.html" method="NEXT"></form>	11:
<pre><input abcmodes="alpha,num</pre" cap="name" name="name" type="TEXT"/></pre>	1 1 1,
SIZE=25> <br< td=""><td></td></br<>	
<input key="send" type="submit"/>	Never Mind
	· 12
	· ·
file: addr.html	1
<html></html>	
<head></head>	Ψ ₀₀₀₀ Ĥ ₀₀₀₀ 123
<title>Purchase Skis</title>	Purchase Skis
<key action="done" key="2" label="Never Mind"></key>	Now we need your
<td>address:</td>	address:
<body></body>	
Now we need your address:	Street: 2 Anywhere
<pre><form action="file://credit.html" method="NEXT"></form></pre>	City: Madison
Street: <input abcmodes="num,alpha</td" cap="name" name="street" type="TEXT"/> <td>State: WI</td>	State: WI
size=9> br>	Zip: ▶53705
City: <input abcmodes="alpha</td" cap="name" name="city" type="TEXT"/> <td> L. 43 (35)</td>	L. 43 (35)
size=10> size=	Never Mind
State: <input abcmodes="alpha</td" cap="name" name="state" type="TEXT"/> <td>İ</td>	İ
MAXLENGTH=2 SIZE=2> Size=2	
<pre>Zip: <input abcmodes="num" name="zip" size="5" type="TEXT"/> <input key="send" type="submit"/></pre>]
file: credit.html	1
<hr/> HTML>	Ψ ₀₀₀₀ Ď _{••00} 123
<head></head>	Purchase Skis
<title>Purchase Skis</title>	
<key action="done" key="2" label="Never Mind"></key>	Finally, your credit card
	info:
<body></body>	Credit Card:
Finally, your credit card info:	I ⊚ ∨ISA
<pre><form action="file://confirm.html" method="NEXT"></form></pre>	O MasterCard
Credit Card:	O American Express
<pre><input name="cardtype" type="RADIO" value="visa"/>VISA</pre>	
<pre><input name="cardtype" type="RADIO" value="mc"/>MasterCard</pre>	Number: 2156661000
<pre><input name="cardtype" type="RADIO" value="amex"/>American Express </pre>	Select Never Mind
Number: <input abcmodes="num" name="cnumber" type="TEXT"/>	
<pre><input key="send" name="buy" type="submit" value="Review"/></pre>	
	· •
	ı

FIG. 18a

HTMLp	Result
<pre><html> <head> <title>Confirm Order</title> <key action="done" key="2" label="Never Mind"> </key></head> <body> <template> <dl> <dt>Name:</dt><dd><b (extra:name)<="" b=""></dd></dl></template></body></html></pre>	₩ 123 Confirm Order Name: George Will Address: 2 Anywhere, Madison,
<pre><dt>Address:</dt><dd>%(extra:street), %(extra:city), %(extra:state), %(extra:zip)</dd> <dt>Credit Card:</dt><dd><if test="extra:cardtype=visa">VISA</if><if test="extra:cardtype=mc">MasterCard</if><if test="extra:cardtype=amex">American Express</if> %(extra:cnumber)</dd> <form action="http://cgi-bin/purchase" method="POST"> <input "="" key="1" name="buy" type="submit" value="Buy!"/> </form> </pre>	WI, 53705 Credit Card: VISA Buy! LHever Mind
<pre> Final HTTP transaction sent to server: POST //cgi-bin/purchase name/George Will street/2 Anywhere city/Madison state/WI zip/53705 cardtype/visa cnumber/7732222156661000 buy/Buy!</pre>	

FIG. 18b

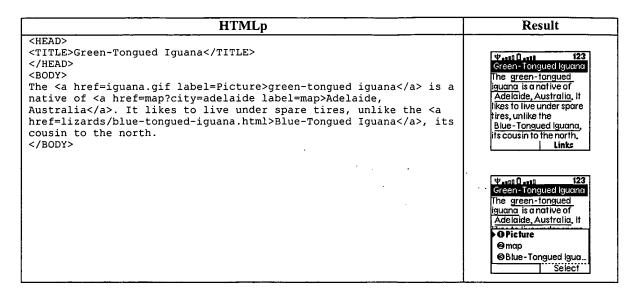


FIG. 19

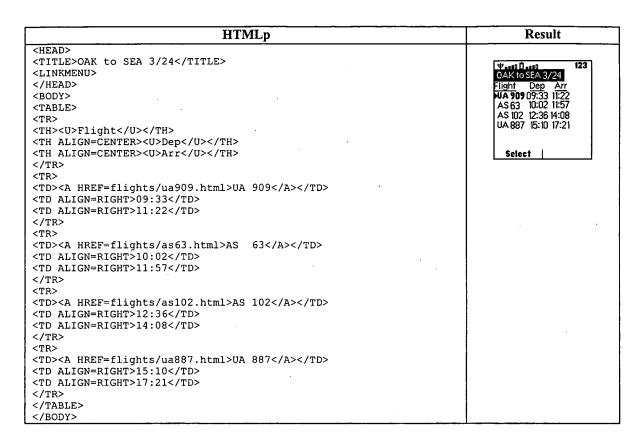


FIG. 20

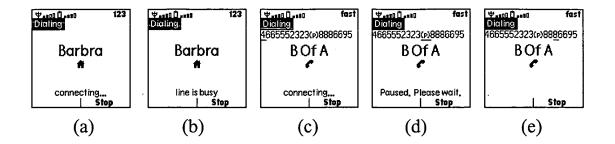


FIG. 21

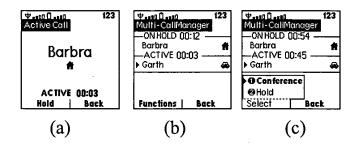


FIG. 22

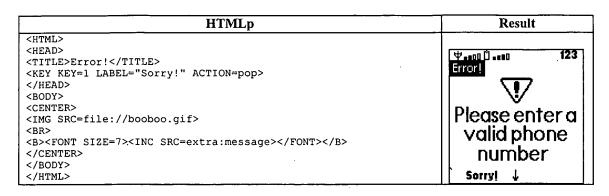
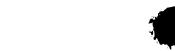


FIG. 23

KEYCAPS		Miscellaneous	
builtin:key1	0	builtin:smiley	0
builtin:key2	0	builtin:signal	ф
builtin:key3	6		
builtin:key4	0		
builtin:key5	Θ		
builtin:key6	6		
builtin:key7	0		,
builtin:key8	8		į.
builtin:key9	Ø		
builtin:key0	0		
	PHONE NU	MBER TYPES	,
builtin:type0	•	builtin:bigtype0	•
builtin:type1	₽.	builtin:bigtype1	
builtin:type2	A	builtin:bigtype2	A
builtin:type3	€	builtin:bigtype3	
builtin:type4	-	builtin:bigtype4	A
builtin:type5	8	builtin:bigtype5	8
builtin:type6	5	builtin:bigtype6	
builtin:type7		builtin:bigtype7	

FIG. 24



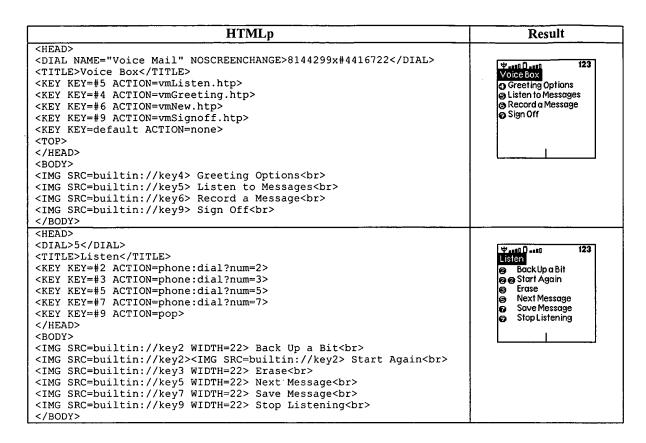


FIG. 25